



(51) 国際特許分類6

G11B 7/00, 7/125

A1

(11) 国際公開番号

WO00/11668

(43) 国際公開日

2000年3月2日 (02.03.00)

(21) 国際出願番号

PCT/JP99/04506

(22) 国際出願日

1999年8月20日 (20.08.99)

(30) 優先権データ

特願平10/233942

1998年8月20日 (20.08.98)

JP

特願平10/364551

1998年12月22日 (22.12.98)

JP

(71) 出願人 (米国を除くすべての指定国について)

松下電器産業株式会社

(MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.) [JP/JP]

〒571-8501 大阪府門真市大字門真1006番地 Osaka, (JP)

(72) 発明者; および

(75) 発明者/出願人 (米国についてのみ)

井口 睦 (INOKUCHI, Chikashi) [JP/JP]

〒573-0157 大阪府枚方市藤板元町2-17-13 Osaka, (JP)

古宮 成 (FURUMIYA, Shigeru) [JP/JP]

〒570-0083 兵庫県姫路市辻井1-11-22-2 Hyogo, (JP)

宮脇佳之 (MIYABATA, Yoshiyuki) [JP/JP]

〒614-8372 京都府八幡市男山笹谷5番地D9-502 Kyoto, (JP)

久門裕二 (HISAKADO, Yuji) [JP/JP]

〒538-0031 大阪府大阪市鶴見区茨田大宮2-1-10-1004 Osaka, (JP)

宮崎篤史 (MIYAZAKI, Atsushi) [JP/JP]

〒612-8485 京都府京都市伏見区羽束師志水町138-8 Kyoto, (JP)

赤木俊哉 (AKAGI, Toshiya) [JP/JP]

〒572-0055 大阪府寝屋川市御幸東町33-19-303 Osaka, (JP)

(74) 代理人

弁理士 山本秀策 (YAMAMOTO, Shusaku)

〒540-6015 大阪府大阪市中央区城見一丁目2番27号

クリスタルタワー15階 Osaka, (JP)

(81) 指定国 CN, JP, KR, US, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE)

添付公開書類

国際調査報告書

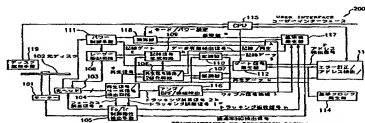
補正書

(54) Title: LASER POWER CONTROLLER AND OPTICAL DISK DEVICE

(54) 発明の名称 レーザーパワー制御装置および光ディスク装置

(57) Abstract

A power controller for controlling the power of a light source for emitting a light beam directed to an optical medium, comprising a reflected light detector for detecting the light reflected from the optical medium when the light beam is made to track a track of the optical medium, a calculating unit for calculating the transmittance to light from the surface of the disk to a recording layer by using the reflected light or the intensity of the light beam at the recording layer of the medium, and power control means for controlling the power of the light beam of the light source from the results of the calculation by the calculating unit.



101 ... LASER
102 ... OPTICAL BEAM
103 ... OPTICAL BEAM
104 ... REFLECTED LIGHT/BEAM SIGNAL DETECTION CIRCUIT
105 ... POWER CONTROL SIGNAL/BEAM SIGNAL
106 ... REFLECTED LIGHT/BEAM SIGNAL DETECTION CIRCUIT
107 ... REFLECTED LIGHT/BEAM SIGNAL
108 ... REFLECTED LIGHT/BEAM SIGNAL
109 ... MICROPROCESSOR
110 ... MEMORY
111 ... LASER POWER CONTROL SIGNAL
112 ... REFLECTED LIGHT DETECTION SIGNAL
113 ... CALCULATING SIGNAL
114 ... POWER CONTROL SIGNAL
115 ... REFLECTED LIGHT/BEAM SIGNAL
116 ... REFLECTED LIGHT/BEAM SIGNAL
117 ... REFLECTED LIGHT/BEAM SIGNAL
118 ... REFLECTED LIGHT/BEAM SIGNAL
119 ... REFLECTED LIGHT/BEAM SIGNAL
120 ... REFLECTED LIGHT/BEAM SIGNAL
121 ... REFLECTED LIGHT/BEAM SIGNAL
122 ... REFLECTED LIGHT/BEAM SIGNAL
123 ... REFLECTED LIGHT/BEAM SIGNAL
124 ... REFLECTED LIGHT/BEAM SIGNAL
125 ... REFLECTED LIGHT/BEAM SIGNAL
126 ... REFLECTED LIGHT/BEAM SIGNAL
127 ... REFLECTED LIGHT/BEAM SIGNAL
128 ... REFLECTED LIGHT/BEAM SIGNAL
129 ... REFLECTED LIGHT/BEAM SIGNAL
130 ... REFLECTED LIGHT/BEAM SIGNAL
131 ... REFLECTED LIGHT/BEAM SIGNAL
132 ... REFLECTED LIGHT/BEAM SIGNAL
133 ... REFLECTED LIGHT/BEAM SIGNAL
134 ... REFLECTED LIGHT/BEAM SIGNAL
135 ... REFLECTED LIGHT/BEAM SIGNAL
136 ... REFLECTED LIGHT/BEAM SIGNAL
137 ... REFLECTED LIGHT/BEAM SIGNAL
138 ... REFLECTED LIGHT/BEAM SIGNAL
139 ... REFLECTED LIGHT/BEAM SIGNAL
140 ... REFLECTED LIGHT/BEAM SIGNAL
141 ... REFLECTED LIGHT/BEAM SIGNAL
142 ... REFLECTED LIGHT/BEAM SIGNAL
143 ... REFLECTED LIGHT/BEAM SIGNAL
144 ... REFLECTED LIGHT/BEAM SIGNAL
145 ... REFLECTED LIGHT/BEAM SIGNAL
146 ... REFLECTED LIGHT/BEAM SIGNAL
147 ... REFLECTED LIGHT/BEAM SIGNAL
148 ... REFLECTED LIGHT/BEAM SIGNAL
149 ... REFLECTED LIGHT/BEAM SIGNAL
150 ... REFLECTED LIGHT/BEAM SIGNAL
151 ... REFLECTED LIGHT/BEAM SIGNAL
152 ... REFLECTED LIGHT/BEAM SIGNAL
153 ... REFLECTED LIGHT/BEAM SIGNAL
154 ... REFLECTED LIGHT/BEAM SIGNAL
155 ... REFLECTED LIGHT/BEAM SIGNAL
156 ... REFLECTED LIGHT/BEAM SIGNAL
157 ... REFLECTED LIGHT/BEAM SIGNAL
158 ... REFLECTED LIGHT/BEAM SIGNAL
159 ... REFLECTED LIGHT/BEAM SIGNAL
160 ... REFLECTED LIGHT/BEAM SIGNAL
161 ... REFLECTED LIGHT/BEAM SIGNAL
162 ... REFLECTED LIGHT/BEAM SIGNAL
163 ... REFLECTED LIGHT/BEAM SIGNAL
164 ... REFLECTED LIGHT/BEAM SIGNAL
165 ... REFLECTED LIGHT/BEAM SIGNAL
166 ... REFLECTED LIGHT/BEAM SIGNAL
167 ... REFLECTED LIGHT/BEAM SIGNAL
168 ... REFLECTED LIGHT/BEAM SIGNAL
169 ... REFLECTED LIGHT/BEAM SIGNAL
170 ... REFLECTED LIGHT/BEAM SIGNAL
171 ... REFLECTED LIGHT/BEAM SIGNAL
172 ... REFLECTED LIGHT/BEAM SIGNAL
173 ... REFLECTED LIGHT/BEAM SIGNAL
174 ... REFLECTED LIGHT/BEAM SIGNAL
175 ... REFLECTED LIGHT/BEAM SIGNAL
176 ... REFLECTED LIGHT/BEAM SIGNAL
177 ... REFLECTED LIGHT/BEAM SIGNAL
178 ... REFLECTED LIGHT/BEAM SIGNAL
179 ... REFLECTED LIGHT/BEAM SIGNAL
180 ... REFLECTED LIGHT/BEAM SIGNAL
181 ... REFLECTED LIGHT/BEAM SIGNAL
182 ... REFLECTED LIGHT/BEAM SIGNAL
183 ... REFLECTED LIGHT/BEAM SIGNAL
184 ... REFLECTED LIGHT/BEAM SIGNAL
185 ... REFLECTED LIGHT/BEAM SIGNAL
186 ... REFLECTED LIGHT/BEAM SIGNAL
187 ... REFLECTED LIGHT/BEAM SIGNAL
188 ... REFLECTED LIGHT/BEAM SIGNAL
189 ... REFLECTED LIGHT/BEAM SIGNAL
190 ... REFLECTED LIGHT/BEAM SIGNAL
191 ... REFLECTED LIGHT/BEAM SIGNAL
192 ... REFLECTED LIGHT/BEAM SIGNAL
193 ... REFLECTED LIGHT/BEAM SIGNAL
194 ... REFLECTED LIGHT/BEAM SIGNAL
195 ... REFLECTED LIGHT/BEAM SIGNAL
196 ... REFLECTED LIGHT/BEAM SIGNAL
197 ... REFLECTED LIGHT/BEAM SIGNAL
198 ... REFLECTED LIGHT/BEAM SIGNAL
199 ... REFLECTED LIGHT/BEAM SIGNAL
200 ... REFLECTED LIGHT/BEAM SIGNAL